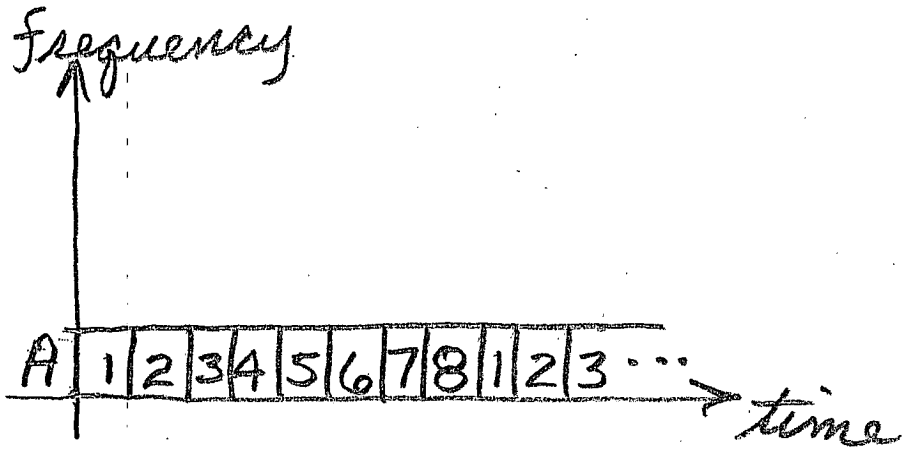


FIG. 1 PRIOR ART

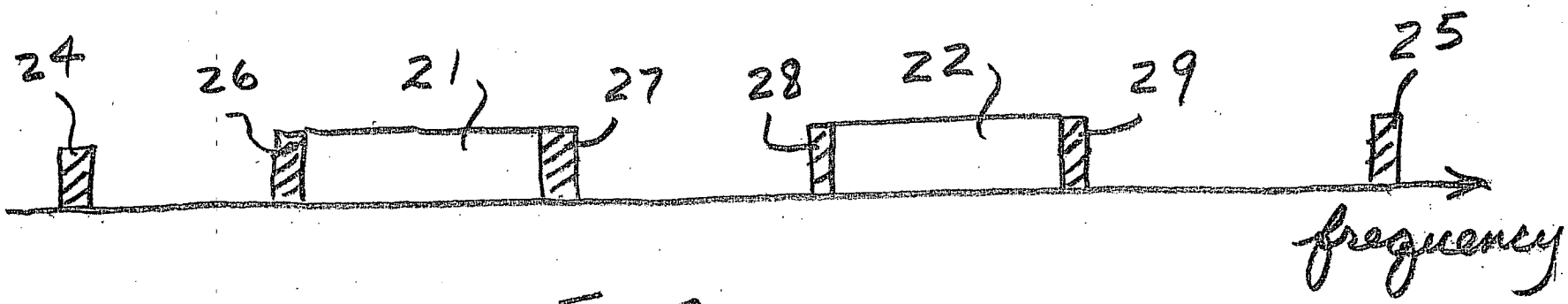


FIG. 2

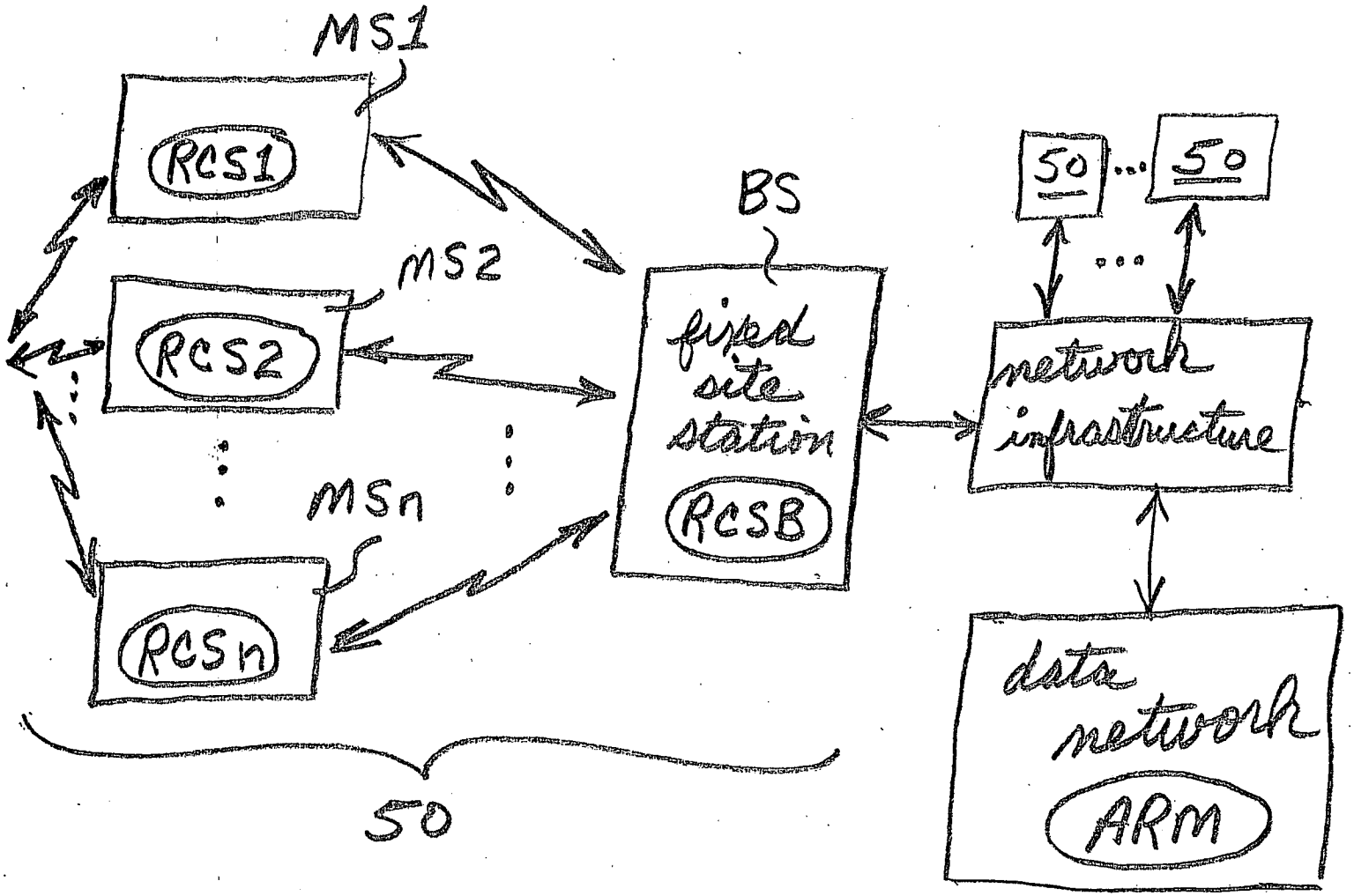

MS1
RCS1
MS2
RCS2
MSn
RCSn
50
BS
fixed site station
RCSB
50
50
network infrastructure
data network
ARM

FIG. 3

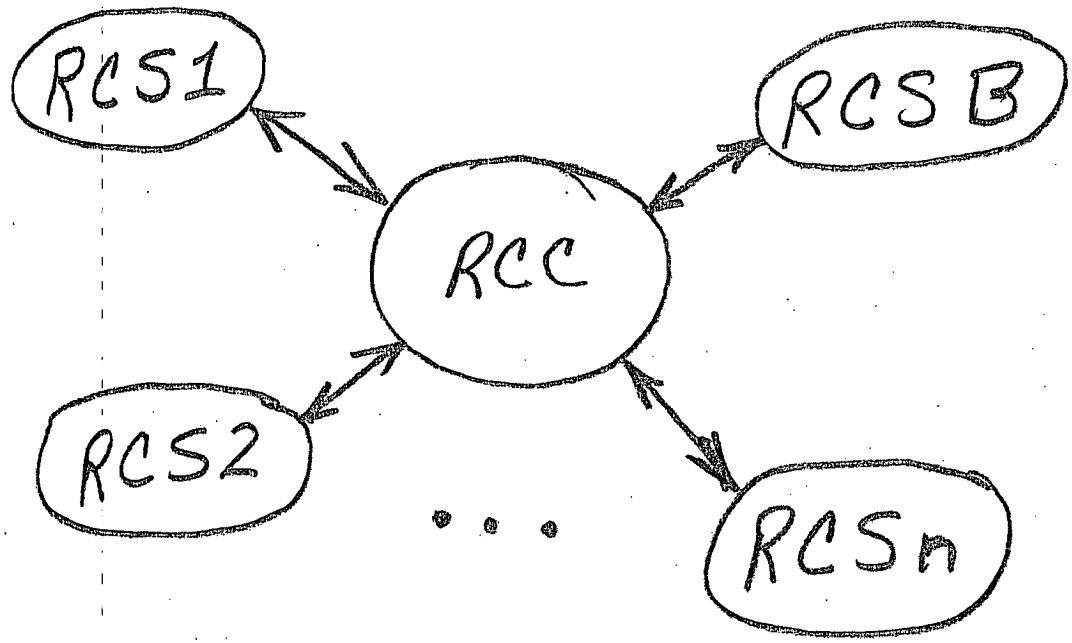


FIG. 4

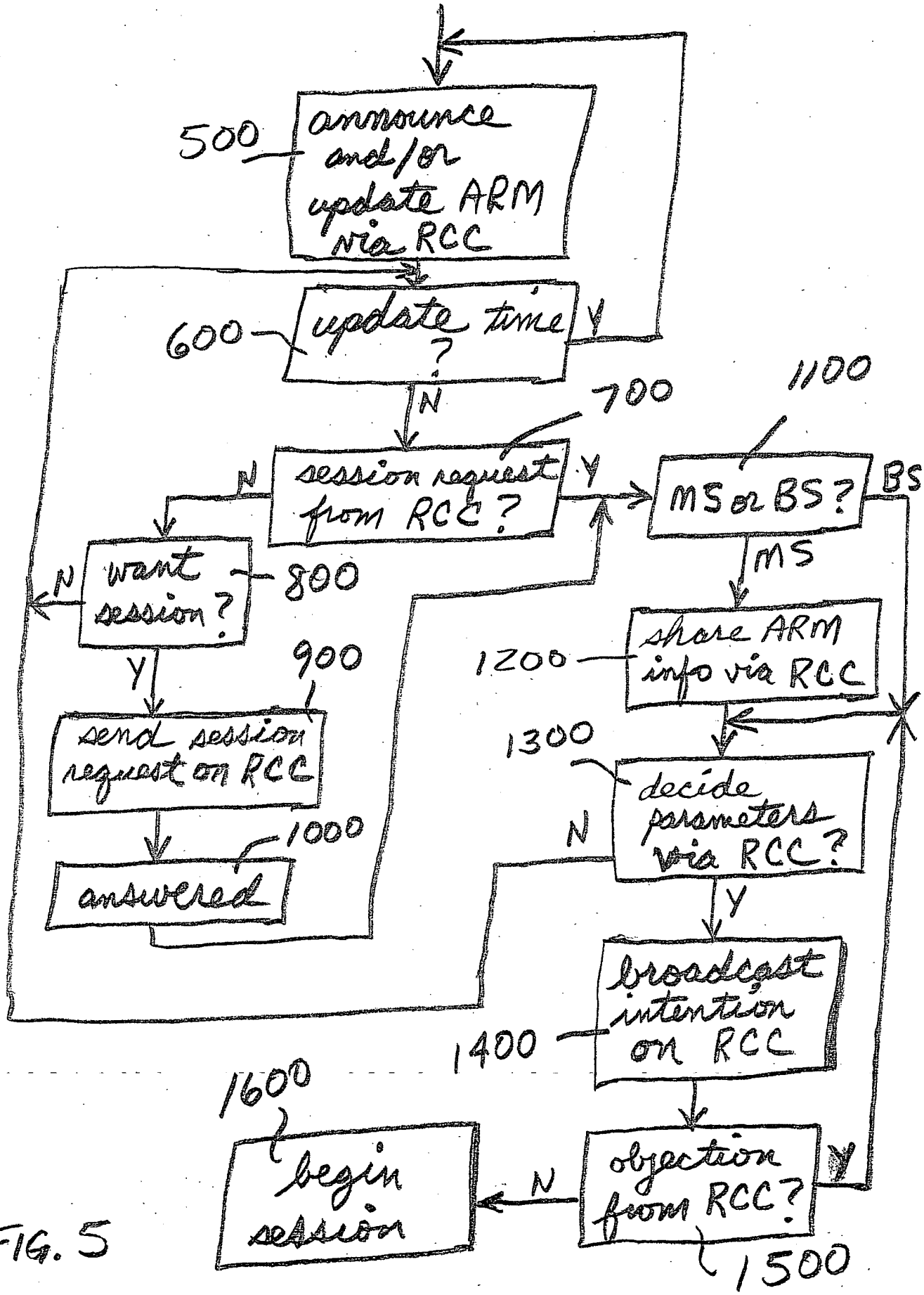

500
announce and/or update ARM via RCC
600
update time ?
Y
N
700
session request from RCC ?
N
Y
1100
MS or BS ?
BS
MS
800
want session ?
N
Y
900
send session request on RCC
1000
answered
1200
share ARM info via RCC
1300
decide parameters via RCC ?
N
Y
1400
broadcast intention on RCC
1500
objection from RCC ?
Y
N
1600
begin session

FIG. 5

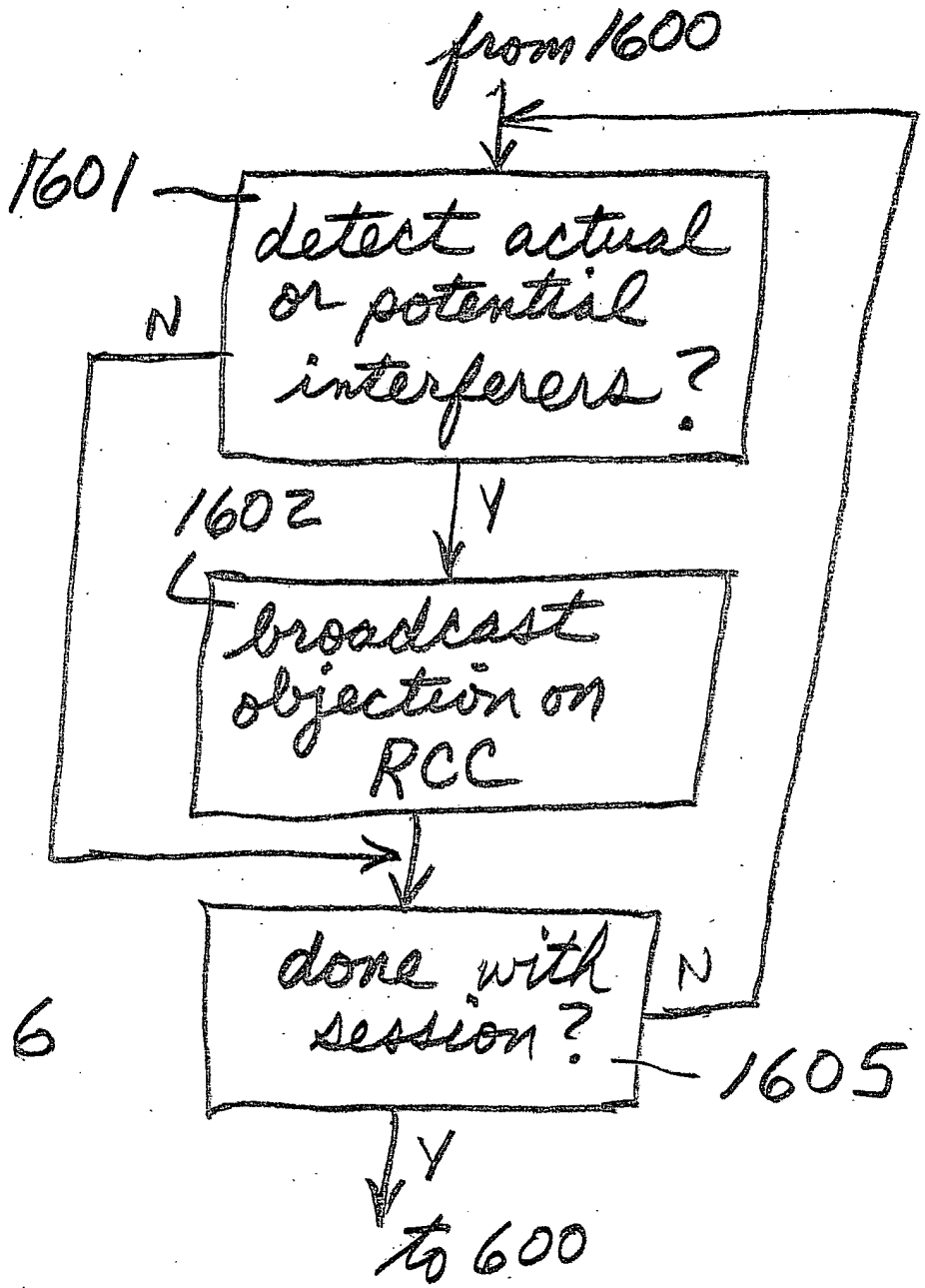

from 1600
1601
detect actual or potential interferers?
N
Y
1602
broadcast objection on RCC
done with session?
N
1605
Y
to 600

FIG. 6

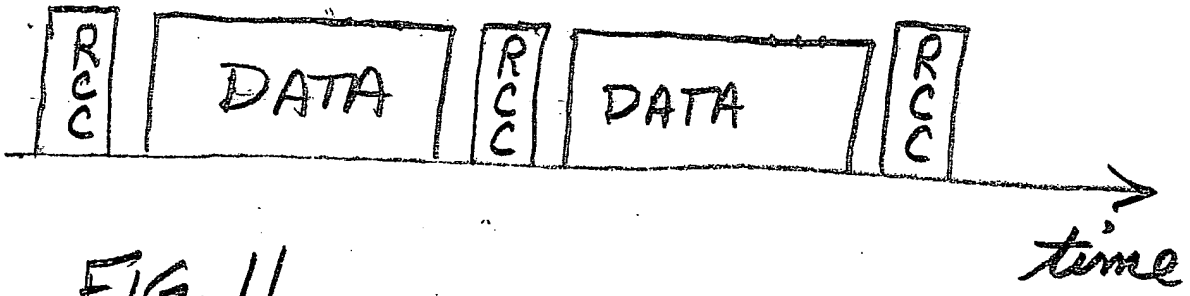

RCC
DATA
RCC
DATA
RCC
time

FIG. 11

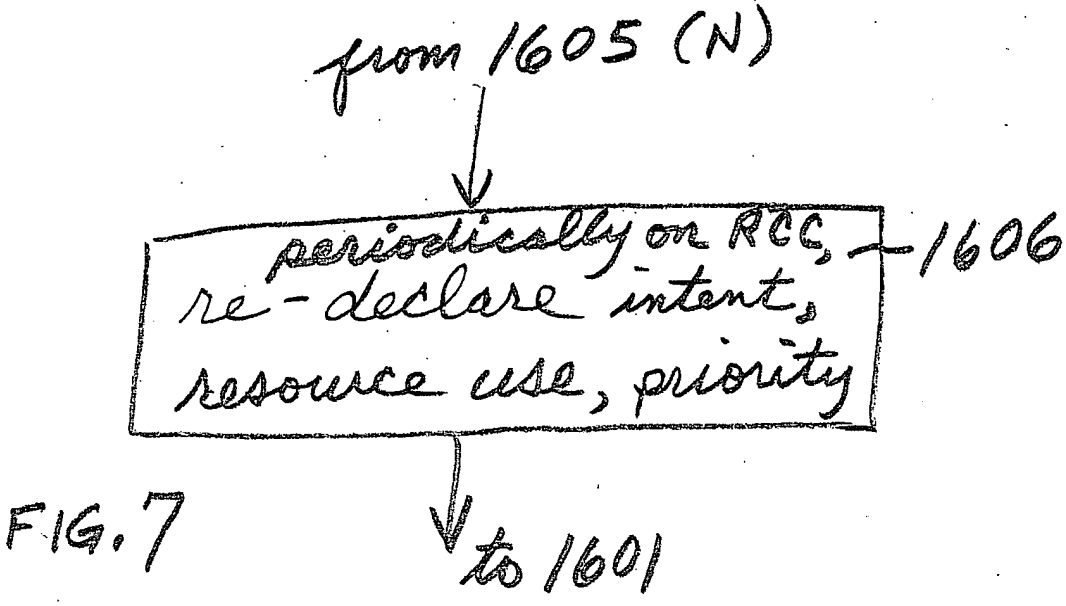

from 1605 (N)
periodically or RCC, re-declare intent, resource use, priority
1606
to 1601

FIG. 7

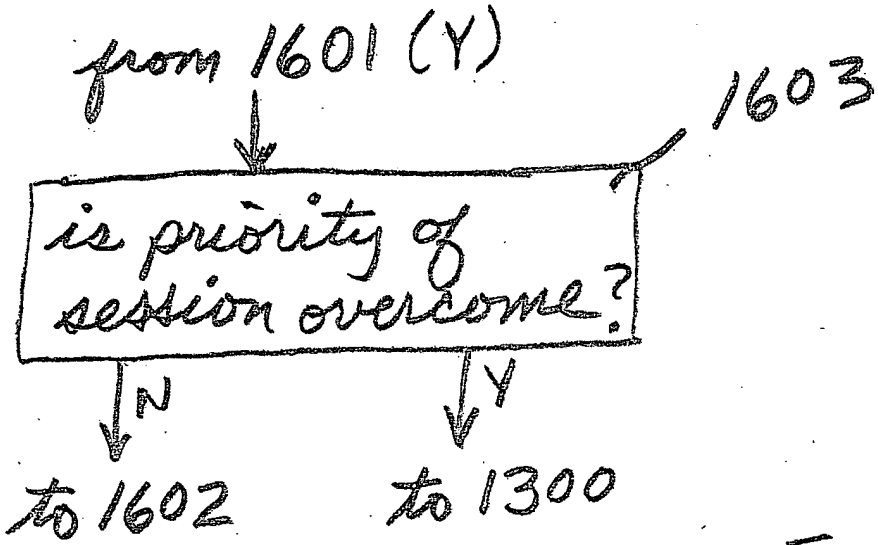
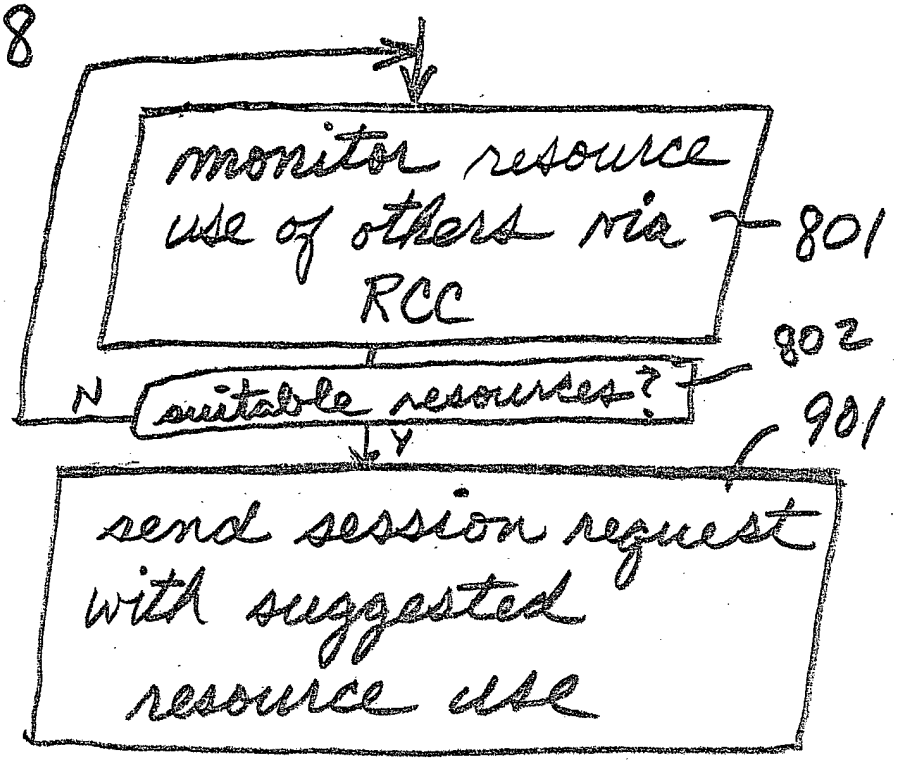

from 1601 (Y)
1603
is priority of session overcome?
N
Y
to 1602
to 1300

FIG. 9

FIG. 8


monitor resource use of others via RCC
801
suitable resources?
802
N
Y
send session request with suggested resource use
901

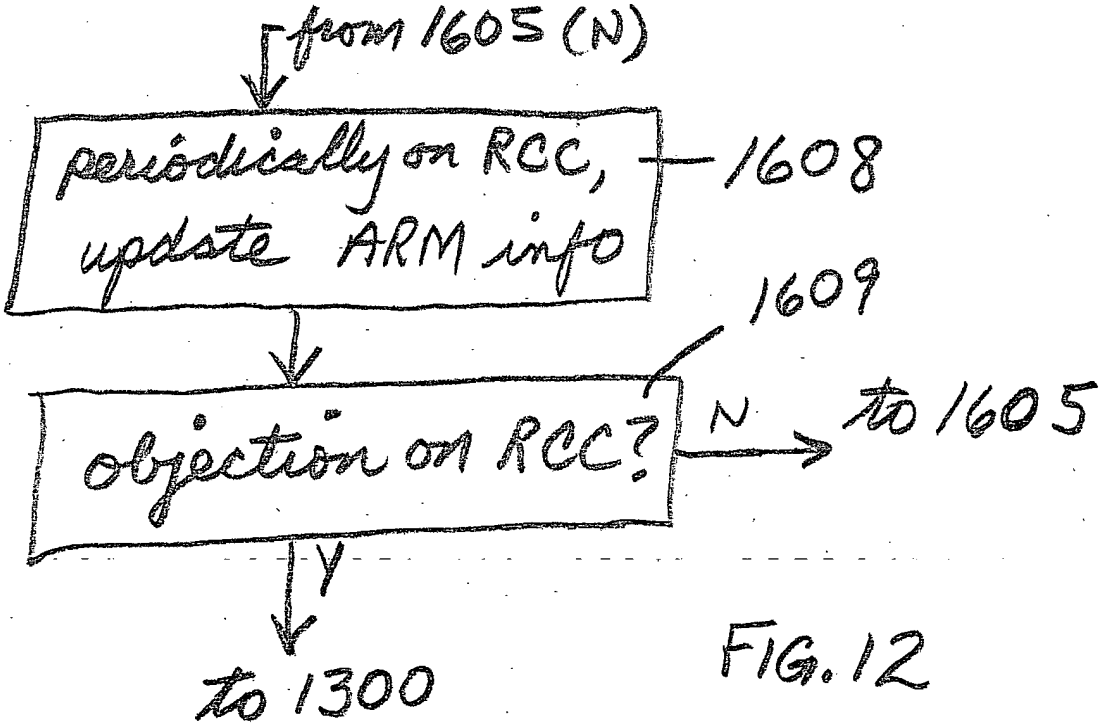

from 1605 (N)
periodically on RCC, update ARM info
1608
objection on RCC?
1609
N
to 1605
Y
to 1300

FIG. 12

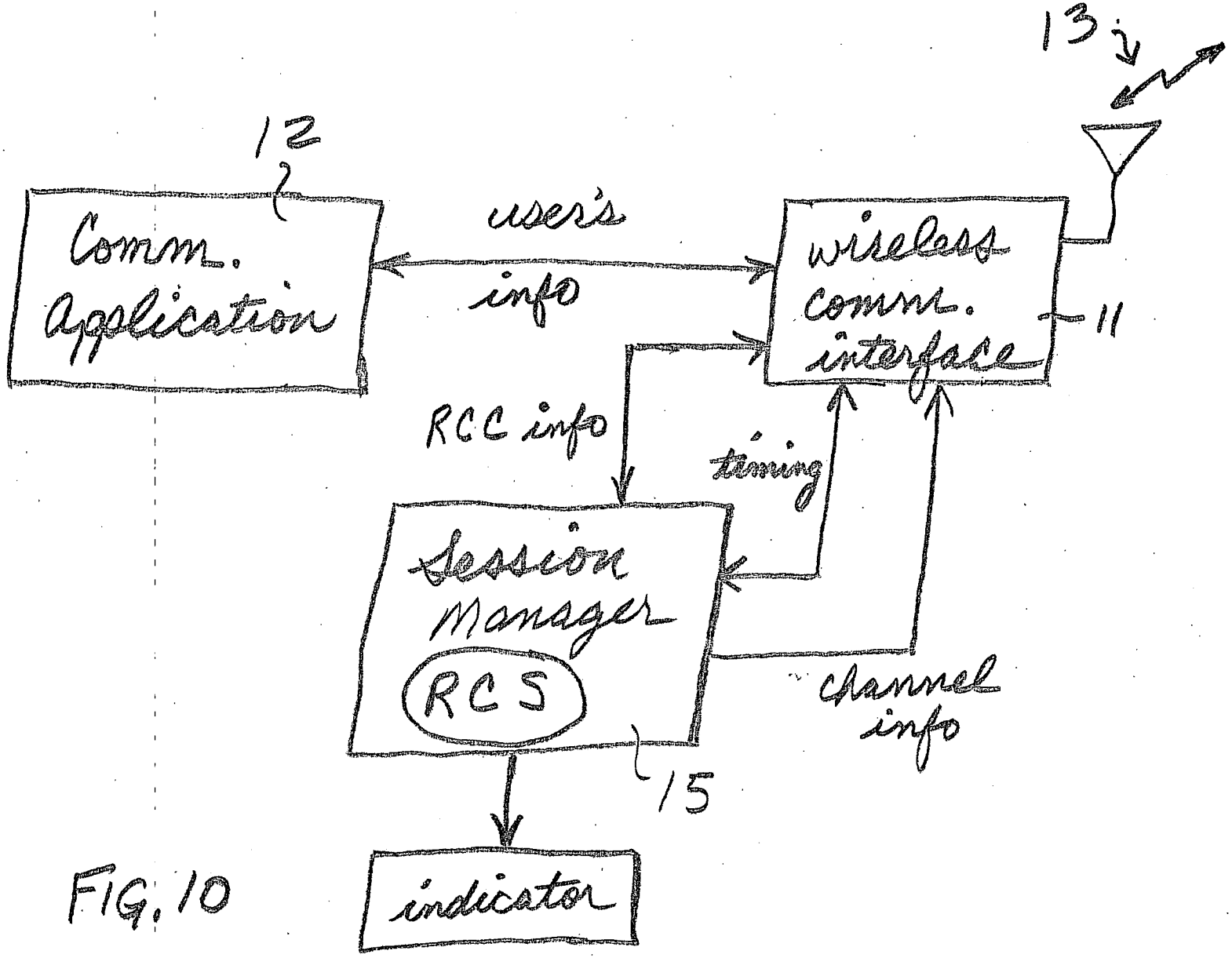

13
12
Comm. Application
user's info
wireless comm. interface
11
RCC info
timing
session Manager
RCS
15
channel info
indicator

FIG. 10